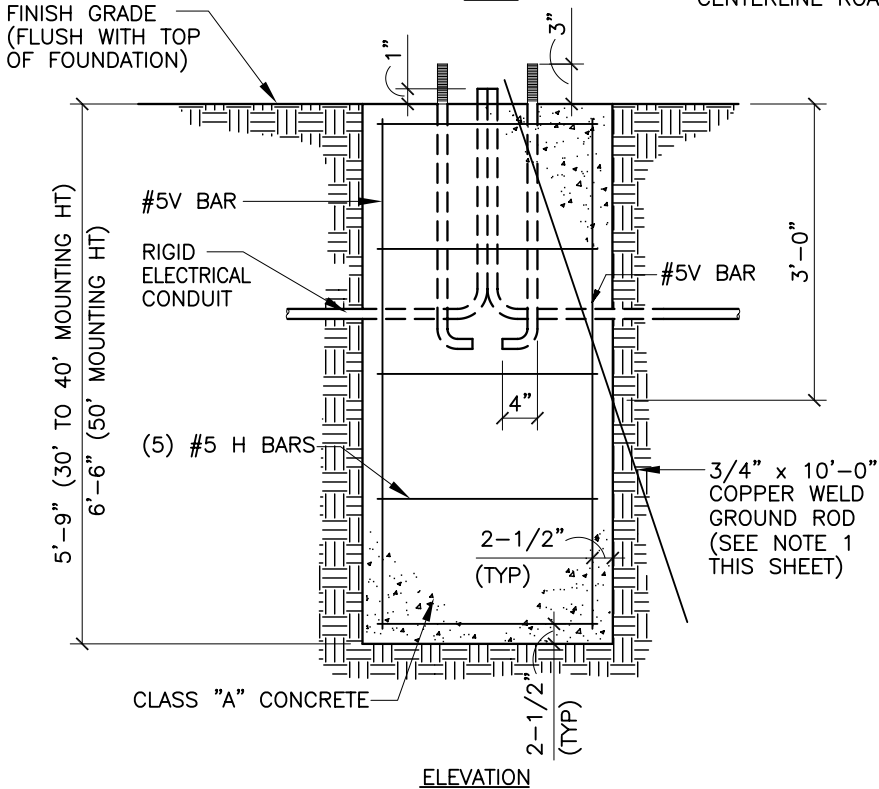
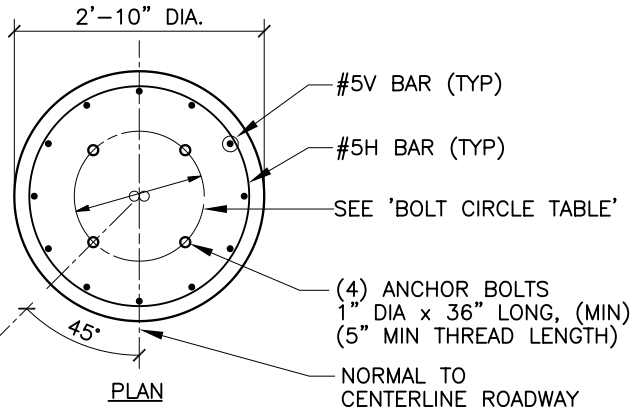
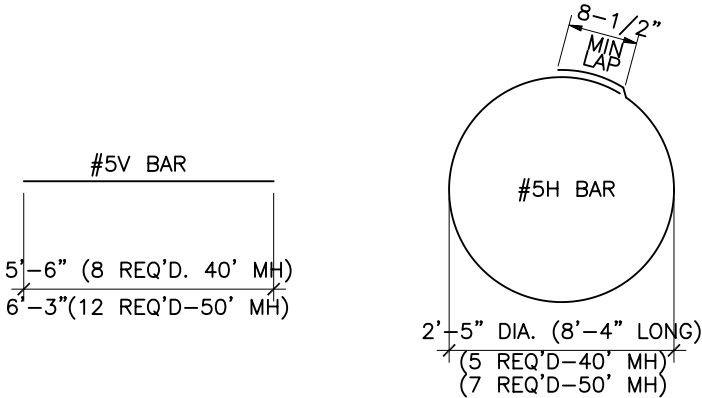


BOLT CIRCLE TABLE		
MOUNTING HEIGHT	NUMBER OF ARMS	BOLT CIRCLE
30'-35'	1 OR 2	11" OR 12"
40'	1	11" OR 12"
40'	2	14" OR 15"
50'	1	14" OR 15"
50'	2	14" OR 16"

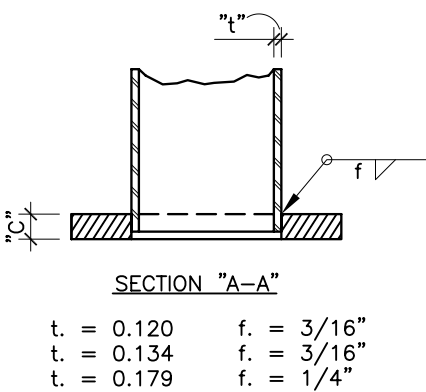
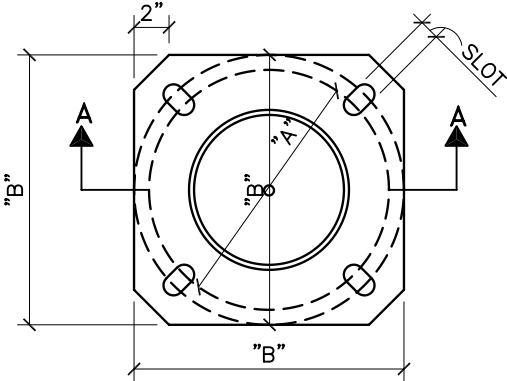


FOUNDATION DETAILS

ESTIMATED FOUNDATION QUANTITIES		
ITEM	30' TO 40' MOUNTING HT	50' MOUNTING HT
REINFORCING BARS, GRADE 60	92 LBS	139 LBS
PORTLAND CEMENT CONCRETE CLASS "A"	1.33 CU YDS	1.5 CU YDS



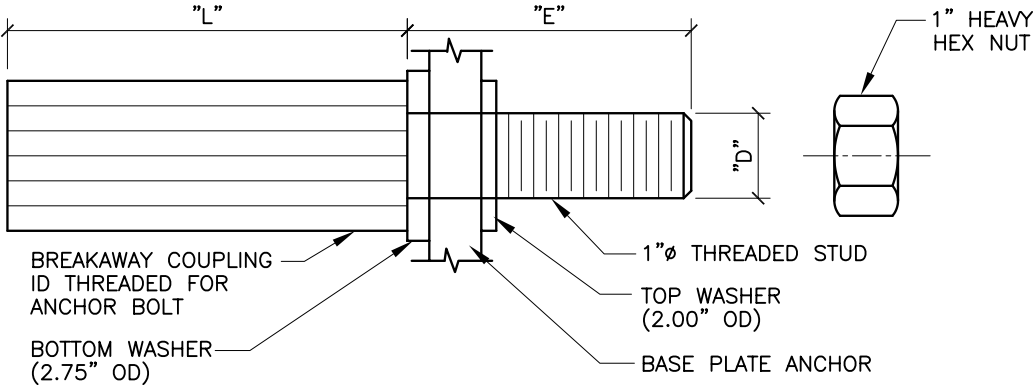
REINFORCING BARS



DIMENSION TABLE					
MOUNTING HEIGHT	NUMBER OF ARMS	DIMENSIONS (INCHES)			
		A (MIN)	B (MAX)	C	
30'-35'	1 OR 2	11	16	1"	1.13" x 3.69"
40'	1 OR 2	11	16	1"	1.13" x 3.69"
50'	1 OR 2	14	16	1"	1.13" x 2.19"

ANCHOR BASE SHALL BE FABRICATED FROM PLATE STEEL CONFORMING TO ASTM A-36 AND SHALL BE WELDED TO POLE SHAFT PRIOR TO GALVANIZING SHAFT.

ANCHOR BASE DETAIL



DIMENSION TABLE						
D	THREAD	MINIMUM TENSILE STRENGTH	RESTRAINED SHEAR		NUT TORQUE ±25 FT-LBS	
			MIN	MAX		
1"	8 UNC	25 KIPS	30 KIPS	7.5 KIPS	175	4-3/4" 3-5/16"

BREAKAWAY SUPPORT COUPLING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO STANDARDS FOR BREAKAWAY SUPPORTS.

BREAKAWAY COUPLINGS SHOULD NOT BE USED ON 50' DOUBLE ARM POLES.

COUPLING SHALL BE FABRICATED FROM EITHER DIE CAST ALUMINUM ALLOY 380 ACCORDING TO ASTM B-85, OR EXTRUDED FROM ALLOY 2024-T8511 ACCORDING TO ASTM A-153.

WASHERS SHALL BE FABRICATED FROM ASTM A-36 STEEL PLATE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

HEX NUTS SHALL MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI 18.2.2 HEX TYPE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

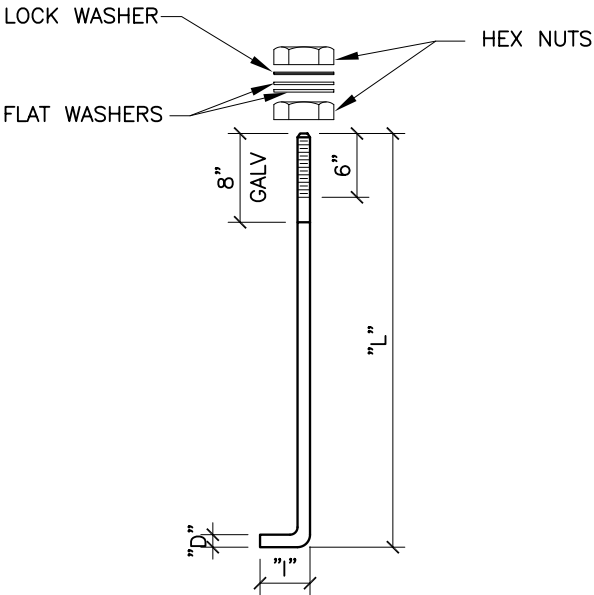
THREADED STUD SHALL MEET THE REQUIREMENT OF ASTM A-675 GRADE 90 AND IS GALVANIZED WITH ASTM A-153, OR IS FABRICATED FROM ANSI STAINLESS STEEL.

WHEN COUPLINGS ARE FURNISHED, EACH LIGHT POLE SHALL BE FURNISHED WITH FOUR (4) COUPLINGS AND THREADED STUDS, EIGHT (8) FLAT WASHERS, AND FOUR (4) HEX NUTS.

BREAKAWAY SUPPORT COUPLING

GENERAL NOTES:

- ALL FOUNDATIONS SHALL INCLUDE COPPER WELD GROUND RODS AS SHOWN WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE FOUNDATION. NO PRICE OR PAYMENTS SHALL BE MADE THEREFOR.
- WELDING SHALL BE IN ACCORDANCE WITH SECTION 1.4.2 OF AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.
- ALUMINUM STANDARDS MAY UTILIZE EITHER AN APPROVED ALUMINUM BASE OR BREAKAWAY COUPLINGS.



DIMENSION TABLE					
MOUNTING HEIGHT	NUMBER OF ARMS	D	L	I	UNC
30'-50'	1 OR 2	1"	36	4	8

ANCHOR BOLTS SHALL BE HOT BENT AND SHALL MEET THE REQUIREMENTS OF ASTM A-675 GRADE 90, NUTS MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI B18.2.

FLAT WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHERS.

LOCK WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B18.21.1 HEAVY WASHERS.

BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

FOUR (4) ANCHOR BOLTS, EIGHT(8) HEX NUTS, EIGHT (8) FLAT WASHERS, AND FOUR (4) LOCK WASHERS SHALL BE FURNISHED WITH EACH POLE.

NUTS, FLAT WASHERS, AND LOCK WASHERS FURNISHED FOR BREAKAWAY SUPPORTS SHALL BE SPECIFIED ON DETAILS.

ANCHOR BOLTS

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC STREET LIGHTING FOUNDATION & MISCELLANEOUS DETAILS
	DWG. 2580 JANUARY 2003